APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,283	06/06/2001	Akira Kudo	1359.1049	6300

			EXAMINER
21171	7590	05/04/2006	NGUYEN, VAN H

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ART UNIT	PAPER NUMBER
2194	

DATE MAILED: 05/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/874,283	KUDO ET AL.
	Examiner	Art Unit	
	VAN H. NGUYEN	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
   Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>08 February 2006</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3,4,6-11,13,14,16,17 and 19-27* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,3,4,6-11,13,14,16,17 and 19-27* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   This Office Action is in response to the request for continued examination filed

February 8, 2006. Claims 1, 3-4, 6-11, 13-14, 16-17, 19, and 20-27 are presented for

examination.

Continued Examination Under 37 CFR 1.114

2.   A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR

1.17(e) has been timely paid, the finality of the previous Office action has been

withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 8, 2006

has been entered.

Specification

3.   The disclosure is objected to because of the following informalities: *"an EPR system"*

(Abstract, line 7) should read *"an ERP system"*. Appropriate correction is required.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 4, 6-11, 13, 14, 16, 17, and 19-27 are rejected under 35 U.S.C. 102(b) as

being anticipated by **Materna et al.** (US 4,714,995).

As to claim 24:

Materna teaches an integrated information processing system integrating a plurality of

information processors each having a storage *(e.g., a system for integrating a number of*

host computers having heterogeneous data bases so that any identical data items in the

data bases are maintained consistent with each other. ...The local data bases of the

various host computers are referred to as heterogeneous because they have different

organizational schema or structures and different record formats for storing data)

[see the Abstract and the discussion beginning at col.5, line 8], the system comprising:

- a collaboration information storage that stores collaboration information on a

communication method between the information processors *[e.g., see the*

integration engine 20 and disk storage 26 discussion beginning at .col.5, line 27

and col.6, line 12]; and

*   a data perpetuation object apparatus that refers to the stored collaboration

    information and performs a unified management of the data managed by the

    information processors *[e.g., see the integration engine discussion beginning at*

    col.6, line 12].

As to claim 25:

Materna teaches an information identification object generator that generates an

information identification object used in determining information to be stored in each of

the storages of the information processors *[see fig.1 and the discussion beginning at*

col.5, line 27].

As to claim 26:

Materna teaches a role object generator that generates a role object as an active role with

respect to an information processor that is a data transmission origin, and a role object as

a passive role with respect to an information processor that is a data transmission

destination *[e.g., see the data translator 22, information query processor 24, disk storage*

module 26, and control console 28 discussions, beginning at col.6, line 12].

As to claim 27:

Materna teaches a relating object generator that refers to the stored collaboration

information and generates a relating object used in transmitting information to be stored

in each of the storages of the information processors based on whether the information

processor is a data transmission origin or a data transmission destination *[e.g., see fig.1*

and the discussion beginning at col.5, line 27].

<u>As to claim 23:</u>

Materna teaches a collaboration apparatus between information processing systems for

allowing a plurality of information processing means including information processing

means based on different architectures to collaborate with each other, the apparatus being

implemented as an object to be operated singly *(e.g., a system for integrating a number of*

host computers having heterogeneous data bases so that any identical data items in the

data bases are maintained consistent with each other. ...The local data bases of the

various host computers are referred to as heterogeneous because they have different

organizational schema or structures and different record formats for storing data)

[see the Abstract and the discussion beginning at col.5, line 8], and comprising:

- role object generating means for generating a role object as an active role with

   respect to one of two information processing means to be collaborated, and a role

   object as a passive role with respect to the other *[see fig.1 and the data translator*

   22, information query processor 24, disk storage module 26, and control console

   28 discussions beginning at col.6, line 12]; and

- relating object generating means for referring to collaboration information and generating a relating object that allows transaction communication to be performed in accordance with a communication method between the two information processing means to be collaborated *[e.g., see the integration engine discussion beginning at col.6, line 12]*.

As to claim 9:

Note the rejection of claim 23 above. Claim 9 is the same as claim 23, except claim 9 is a computer-readable recording medium claim and claim 23 is an apparatus claim.

As to claim 1:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means *[e.g., see the integration engine 20 and disk storage 26 discussion beginning at col.6, line 12]*.

As to claim 3:

Materna teaches the communication method is selected from, among other things, batch communication *(e.g., transmitted as a batch; see the discussion, beginning at col.9, line 39)*.

As to claim 4:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means *[e.g., see the integration engine 20 and disk storage 26 discussion beginning at col.6, line 12]*; and information identification object generating means for generating an information identification object that determines information to be stored in a storage apparatus of each information processing means *[e.g., see the discussion beginning at col.7, line 16]*.

As to claim 6:

Note the discussion of claim 3 above for rejection.

As to claim 7:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means *[e.g., see the integration engine 20 and disk storage 26 discussions beginning at col.6, line 12]*; and a collaboration apparatus between information processing systems for referring to the collaboration information of the collaboration information storage means and allowing

the information processing means to collaborate with each other *[e.g., see the integration engine 20 and disk storage 26 discussions beginning at col.6, line 12]*.

As to claim 8:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna further teaches collaboration information storage means for storing information on a communication method between the information processing means as collaboration information among the plurality of information processing means *[e.g., see the integration engine 20 and disk storage 26 discussion beginning at col.6, line 12]*; a collaboration apparatus between information processing systems for referring to the collaboration information of the collaboration information storage means and performing unified management of data managed in duplicate by the information processing means, the apparatus being implemented as an object to be operated singly *[e.g., see the integration engine 20 and disk storage 26 discussion beginning at col.6, line 12]*; and information identification object generating means for generating an information identification object that determines information to be stored in a storage apparatus of each information processing means *[e.g., see the discussion beginning at col.7, line 16]*.

As to claim 10:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna further teaches processing of generating an information identification object that

determines information to be stored in a storage apparatus of each information processing

means *[e.g., see the discussions beginning at col.6, line 12 and col.7, line 16]*.

As to claim 11:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna

further teaches storing information on a communication method between the information

processors as collaboration information among the plurality of information processors

*[e.g., see the integration engine 20 and disk storage 26 discussion beginning at col.6, line

12]*.

As to claim 13:

Note the discussion of claim 3 above for rejection.

As to claim 14:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna

further teaches generating an information identification object that determines

information to be stored in each of the plurality of information processors *[e.g., see the

discussions beginning at col.6, line 12 and col.7, line 16]*.

As to claim 16:

Note the discussion of claim 3 above for rejection.

As to claim 17:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna

further teaches storing information on a communication method between the information

processors as collaboration information among the plurality of information processors

[e.g., see the integration engine 20 and disk storage 26 discussion beginning at col.6, line

12].

As to claim 19:

Note the discussion of claim 3 above for rejection.

As to claim 20:

The rejection of claim 23 above is incorporated herein in full. Additionally, Materna

further teaches generating an information identification object that determines

information to be stored in each of the plurality of information processors *[e.g., see the*

integration engine 20 and disk storage 26 discussion beginning at col.6, line 12].

As to claim 21:

Materna teaches timing information on timing of passing of information between the

plurality of information processors *[e.g., see the discussion beginning at col.3, line 14].*

As to claim 22:

Note the discussion of claim 3 above for rejection.

Response to Arguments

5.   Applicant's arguments filed February 8, 2006 have been fully considered, but are deemed

to be moot in view of the new grounds of rejection.

Conclusion

6.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. Applicant should review these references carefully before responding to this

office action.

Contact Information

7.   Any inquiry or a general nature or relating to the status of this application should be

directed to the TC 2100 Group receptionist: (571) 272-2100.

Any inquiry concerning this communication or earlier communications from the

Examiner should be directed to VAN H. NGUYEN whose telephone number is (571)

272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM -

6:00PM. The Examiner can also be reached on alternative Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is

assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:
Commissioner for patents
P O Box 1450
Alexandria, VA 22313-1450

Van H. Nguyen
Patent Examiner
Art Unit 2194

WILLIAM THOMSON
UPERVISORY PATENT EXAMINER